

**Hirosaki University** (University Functions to be Enhanced: 1. Boost academic excellence in specific areas of the university's strength, 2. Generate innovation that can help solve global issues and advance societal reform, 3. Take a lead in resolving regional issues through collaboration with regional communities.)

Participants : Harvard University, Johns Hopkins University, University of Leicester, National Institutes of Health, University of Oklahoma, Kyoto University, The University of Tokyo, University of Tsukuba, Institute of Science Tokyo, Kyushu University, Kyoto Prefectural University of Medicine, Wakayama Medical University, Meio University, University of Toyama, Shizuoka Graduate University of Public Health, Meijo University, Akita University, Iwate University, Iwate Medical University, Tohoku University

## Summary

### Hirosaki University's VISION (10-year goal)

**To establish innovative universities with research excellence through integrated interdisciplinary knowledge and to realize a global well-being co-creating society as a core university leading these universities in research.**

To build a research university group on well-being research by combining all the strengths (through integrated interdisciplinary knowledge) of the full resources possessed by our university, Japanese and international universities, etc. To radically enhance our strengths and attributes even further and maximize **our potential** on a global level **through strategic integrated research/complementary functions** with top Japanese and international universities by **strengthening capabilities for research excellence, making drastic innovations in governance, and bringing about whole-school graduate school reform.**

## Strategy Plan

### Our strengths/attributes

- Leading preventative medical research using the world's only **Multi-item Big Data on Health (3000)**
- **World-class rate of international research co-authorship** in six main areas of public health
- **Realize "organization" vs "organization" large-scale collaboration between industry and academia** through multi-collaborative research courses (**top level in Japan**)



### Our potential (areas of improvement)

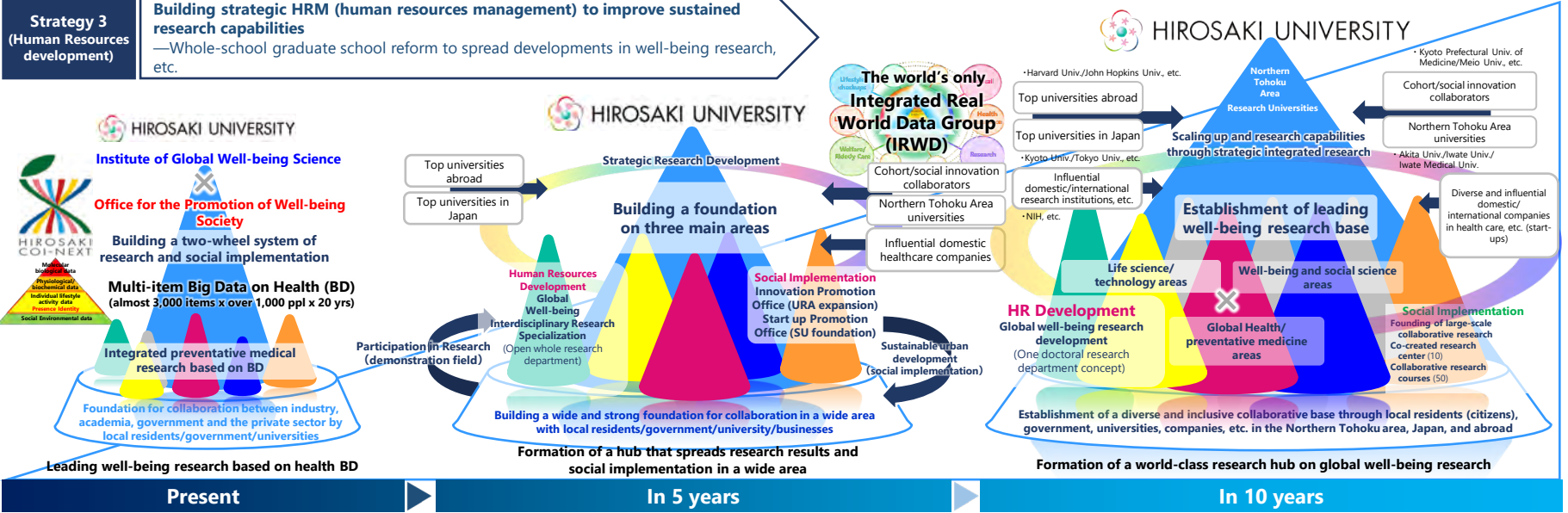
- **Improve diversity:** Improve school-wide research capabilities (all areas)
- **Expand research support:** Train and increase human resources in research development support
- **Internationalize research:** Strengthen collaboration with top level universities from abroad

## Process of Achievement

<b>Strategy 1</b> (Strengthen research)	<b>Research development through integrated knowledge to realize a global well-being co-created society</b> —Global research development through integrated interdisciplinary knowledge with Institute of Global Well-being Science at the core
<b>Strategy 2</b> (Social implementation)	<b>Accelerating innovation through revitalized social implementation/foundation of start-ups</b> —Strengthen the research support system/social implementation through Office for the Promotion of Well-being Society
<b>Strategy 3</b> (Human Resources development)	<b>Building strategic HRM (human resources management) to improve sustained research capabilities</b> —Whole-school graduate school reform to spread developments in well-being research, etc.

Outcomes	Key Achievements
<ul style="list-style-type: none"> <li>■ School-wide collaborative research fees:</li> </ul>	<b><u>More than tripled at 2 billion yen</u></b>
<ul style="list-style-type: none"> <li>■ Six public health areas:</li> </ul>	<b><u>Top 10% in research publication rates in the world</u></b>
<ul style="list-style-type: none"> <li>■ Number of start-ups from the university:</li> </ul>	<b><u>Grow to more than 30 companies</u></b>
<ul style="list-style-type: none"> <li>■ Amount invested in by local government:</li> </ul>	<b><u>More than tripled at 500 million yen</u></b>

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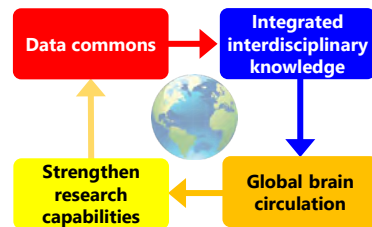


Goal
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《A core university leading innovative excellent universities》

**Formation of excellent world-class research universities that generate innovation that can help solve global issues and advance social reform, including regional problems**

► **Demonstrate excellence in the area of well-being**



**《Realization of a global well-being co-created society》**

**Spreading the well-being urban development model created by Hirosaki University from research universities in Northern Tohoku to the country and the world**

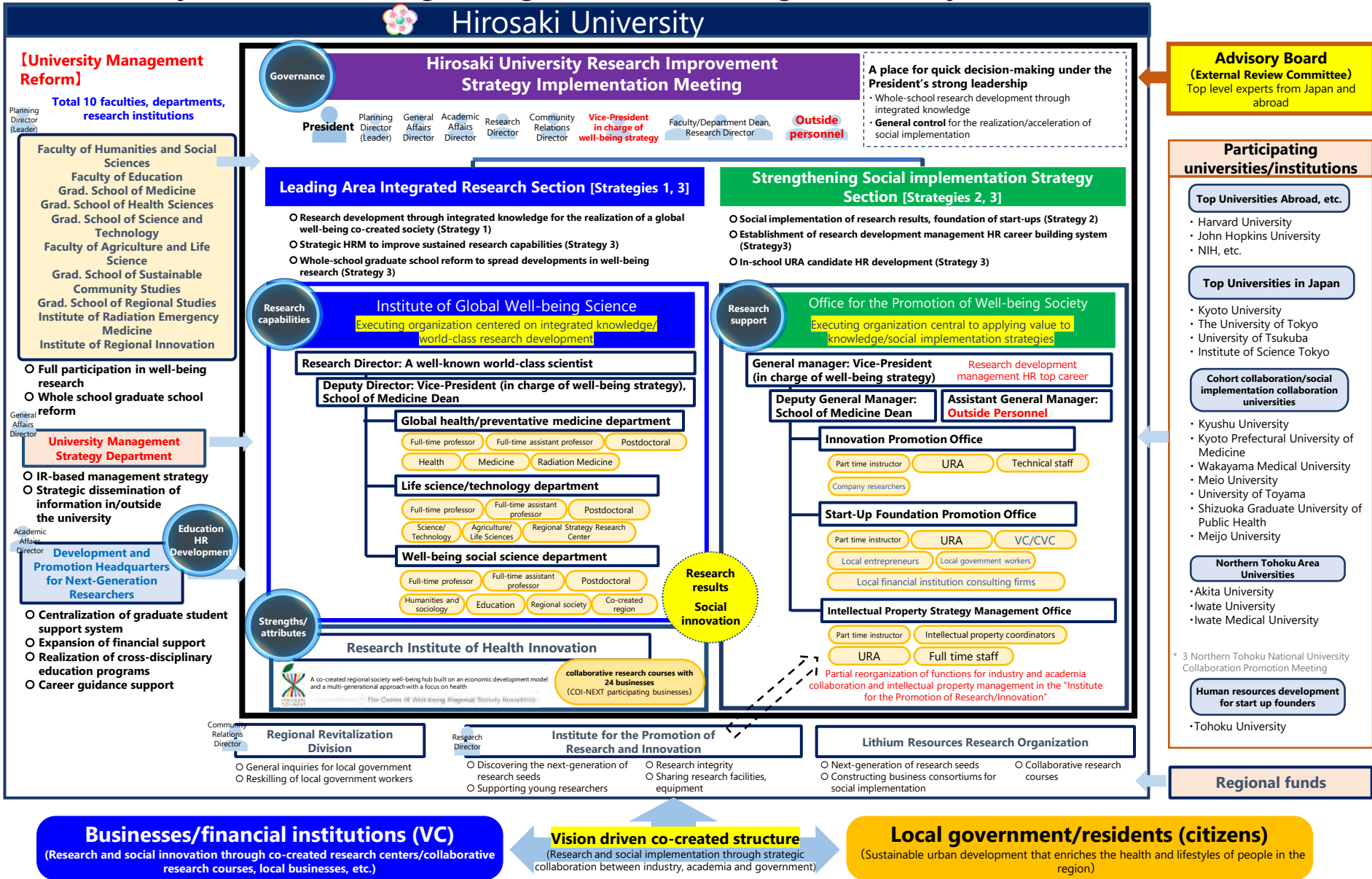
## One large platform for people and data

**Economic circulation model with a focus on well-being**

Sustainable urban development that enriches the health and lifestyles of people in the region

From **Hirosaki** to **Northern Tohoku**, to the country, and to the world

Two-wheel system of social implementation and strengthening research to actualize a global well-being co-created society and reform/strengthening of a whole-school governance system



Timeline

Items to Implement		2024	2025	2026	2027	2028	2029	2030~	In 10 yrs
【Strategy 1】  Research development for the realization of a global well-being co-created society through integrated knowledge	1) New establishment of Institute of Global Well-being Science	R6 Installed in July	Hiring/ placement of new researchers	Lead well-being research with leading integrated preventative medicine/healthy society sciences as a base			Building world-class global well-being research	World-class research hub including businesses  Gathering of researchers from Japanese and international universities/businesses  Development of collaborative research with global businesses from abroad	
	2) Whole-school development through integrated interdisciplinary knowledge		Establishment of 3 main areas	The whole school executes area-based integrated research (simultaneous, improved whole-school research capabilities)					
	3) Building and expanding the world's only integrated real-world data (IRWD)	Obtain each type of data, cohort collaboration	Basic comprehensive health medical data	Connection/verification with Kyoto University/Medical DX platform, etc., ultimately IRWD construction		Global common basic data			
	4) Integrated research/complimentary functions with top Japanese and international universities	Complimentary functions/integrated research with top international universities							
		Complimentary functions/integrated research with top Japanese universities (Integration with Tsukuba University IIS, University of Toyama Moonshot R&D also added)							
		Complimentary functions/research integration with Northern Tohoku area universities (Building/implementation of collaborative research systems for well-being research)							
	5) Building a vision driven innovation ecosystem (co-created research center)	Enact regulations	Multiple installations in stages of "Co-created Research Centers", where company names can be added Co-created system of the "realization of a co-created global well-being society" as the common vision for stakeholders						
6) Preparation of research environment		Provision of leading large-scale research equipment	Expansion of research space through strategic facility management		Research development using leading-edge equipment				
【Strategy 2】  Accelerating the founding of innovation through increased social implementation/fo undation of start ups	1) New establishment of Office for the Promotion of Well-being Society	R6 Installed in July	Appoint Assistant General Manager (private sector)	Strengthen research support system matched with businesses Acceleration of social implementation of research results				Social implementation and founding of local industry involving local businesses	
	2) New establishment of the Innovation Promotion Office		Increase and position support personnel	Coordination with collaborators and participants Research support for research accompaniment/ preawards		Acceleration of social implementation of research results			
	3) New establishment of the Start Up Foundation Promotion Office			Discovering/supporting young businesses linked to research seeds Funding using diverse channels		Acceleration of founding of start-ups in universities			
	4) Founding of regional funds, LP investments		Founding of regional funds/LP investments	Investments targeting early phases of young businesses founded in universities		Growth of start-ups founded in universities		Domestic and international transmission of an "economic circulation model" that solves local problems	
	5) Social implementation of research results (example of initiative)	Spread the compact health check up program "QOL check up" throughout Japan and abroad							
			Execution of a Hirosaki version of PFS/SIB in stages Verification tests and social implementation of health measurement equipment/functional health foods/services, etc.				Building an urban development model		
	6) Discovery/development of next representative research seeds to follow COI-NEXT		Discover/development of seeds, connection with businesses through the on-campus research grant project "Hirosaki University Next Generation Focal Point Research"				Obtain competitive external funds COI-NEXT for the formation of a large-scale research hub		
【Strategy 3】  Build strategic HRM (human resources management) to improve sustained research capabilities	1) Whole-school graduate school reform to spread development on well-being research		Install R7 Interdisciplinary well-being research course, Medical Research Department Graduate School (Doctorate 4 years)					R11- Deliberations for establishment of global well-being research department across all areas (One research department concept)	
			Install R8 Doctorate courses in all research departments Interdisciplinary well-being research course (Masters 2 years)						
	2) Increased support for graduate school students through strategic incentives	Install R6 Headquarters for Development of Next-Generation of Researchers (strengthen support system for graduate students in all departments)						Virtuous cycle of HR for the improvement of sustained research capabilities	
		Scholarships and research grant support for all doctorate students (latter term and 4-year program) Development of public offering research grant support system for masters' students							
	3) Establishment of research development management HR career building system		Establish Vice-President position	Redesign evaluation/promotion system, provision of career path					Attract young researchers from abroad
	4) HR development for research development management candidates		Development of education program	Development of educational program	Beginning of Certification Program				

Realization of the University's Vision